

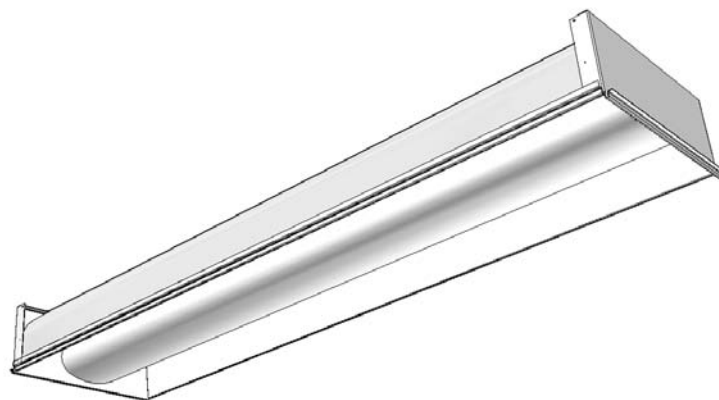
HP90 Recessed Fluorescent **H9S1GLR132 or 232**

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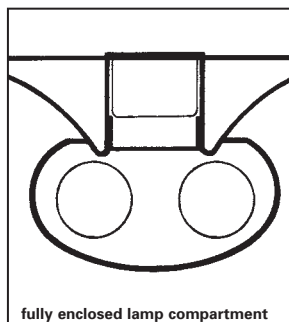
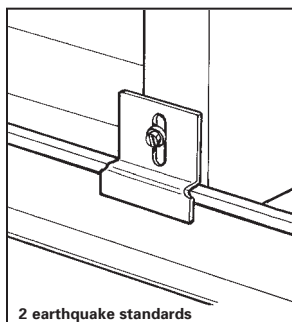
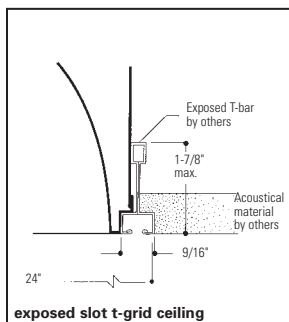
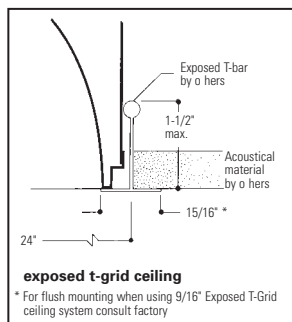
Direct/Indirect – 1' x 4' with Acrylic Linear Prismatic Lens
Static, 1 or 2 Lamp T8

Features

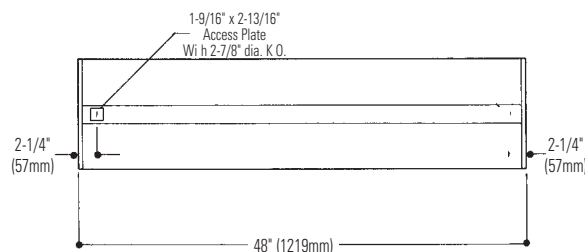
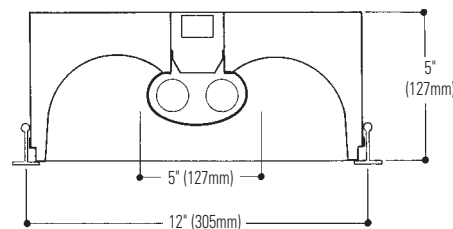
- 78.8% efficient (2 lamp, 28W T8).
- 76.7% efficient (1 lamp, 28W T8).
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- 2 earthquake clips standard.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN TECHNOLOGY accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum available.



Mounting Methods



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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Section 5/Folio M32-19



HP90 Recessed Fluorescent H9S1GLR132 or 232

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Direct/Indirect – 1' x 4' with Acrylic Linear Prismatic Lens
Static, 1 or 2 Lamp T8

Model No. H9S1GLR132UNVHI

LER = FP - 86.4 IW - 21.3 BF - 0.88
Comparative yearly lighting ene gy cost per
1000 lumens = \$2.78

Report Number: G2007129
Catalog Number: H9S1GLR132UNVHI
Lamps: (1) F28 T8
Luminaire: HP90 1' x 4' with linear
prismatic lens.
Ballast: QTP1X32T8-UNV-PSX-TC
Report is based on 2725 Lumens per lamp.
Efficiency: 76.7%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.4
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 47.040 11.040

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	693	693	693	
5	685	690	696	66
15	657	674	689	191
25	603	639	673	295
35	525	587	644	367
45	425	520	591	396
55	310	430	468	365
65	192	289	271	260
75	88	130	105	124
85	18	24	22	27
90	3	3	3	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD, EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	84	80	77	75	73	70	68
2	76	70	65	62	58	53	50
3	69	61	55	51	46	41	38
4	63	54	47	41	35	30	27
5	58	48	41	34	28	23	20
6	54	43	36	30	24	19	17
7	50	39	32	26	20	15	13
8	46	36	29	23	17	12	10
9	43	33	26	20	14	10	8
10	40	30	24	18	12	8	6

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1793.	2194.	2494.
55	1613.	2237.	2434.
65	1355.	2040.	1913.
75	1014.	1499.	1210.
85	616.	822.	753.

Model No. H9S1GLR232UNVHI

LER = FP - 75.1 IW - 50.3 BF - 0.88
Comparative yearly lighting ene gy cost per
1000 lumens = \$3.19

Report Number: G2007128
Catalog Number: H9S1GLR232UNVHI
Lamps: (2) F28T8
Luminaire: HP90 1' x 4' with linear
prismatic lens.
Ballast: QTP2X32T8/UNV-ISN-SC
Report is based on 2725 Lumens per lamp.
Efficiency: 78.8%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 47.040 11.040

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1506	1506	1506	
5	1488	1498	1509	143
15	1427	1450	1474	410
25	1308	1355	1399	625
35	1135	1216	1294	762
45	918	1044	1139	800
55	672	834	885	720
65	421	558	557	523
75	197	266	229	259
85	41	45	43	52
90	7	4	4	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD, EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	86	82	79	77	75	72	70
2	78	72	67	63	60	55	52
3	71	63	57	51	46	41	38
4	65	56	49	43	37	32	29
5	60	50	43	37	31	26	23
6	55	45	38	32	26	21	18
7	51	41	34	28	22	17	14
8	48	37	30	24	18	13	10
9	45	34	27	21	15	10	8
10	42	31	25	19	13	8	6

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1178	21.6	27.4
0- 40	1940	35.6	45.2
0- 60	3461	63.5	80.6
0- 90	4295	78.8	100.0
90-180	0	0.0	0.0
0-180	4295	78.8	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3873.	4405.	4806.
55	3496.	4338.	4604.
65	2972.	3939.	3932.
75	2271.	3066.	2640.
85	1404.	1540.	1472.

Ordering Information

Explanation of Catalog Number. Example: H9S1GLR232UNVHI

H9 HP90 Direct/Indirect Recessed	S Body Style: S = Static	1 Fixture Width	G Ceiling Type: Fits both Standard Grid and Slot Grid	L Acrylic Lens	R Reflector: Specular Aluminum	32 Lamp Quantity 1=1 Lamp 2=2 Lamp	32 Lamp: (By Others) 32=T8 32W * (Nominal 48") * 28W T8 available	120, 277 or UNV=120-277 Voltage:	Options: Add appropriate suffix to catalog no., ie: (GLR)
H9 Standard HP90	HY For NYC Code – I.B.E.W. Manufactured	HN For NYC Code – Local 3 Manufactured							Ballast Type: <20THD <10THD LOL Dimming T8 *Instant Start Standard Other dimming options. Consult factory. NOTE: For T8 UNV, you must use HI Ballast Code.

Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **GLR**.
Internal slow blow fusing: SUFFIX: **GMF**.

Drywall Kit: Order Catalog Number: **FK91X4**.

Electrical Wiring Options: Consult factory.

For motion or light sensor: See Folio OA20-10.

Specifications

Performance: In an installation of 2 lamp 28W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .80. To reduce glare the average brightness at 65° shall not exceed 1913 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.6%.

Materials: Chassis parts are die-formed code gauge steel.

Lamp Shield: Linear prismatic translucent DR acrylic lens.

Finish: Chassis exterior – baked white polyester enamel. Cavity – baked white polyester enamel. Rust preventative undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Specifications (continued)

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

This product may have a mercury containing lamp. Manage in accord with

Disposal Laws. See: www.lamprecycle.org

Job Information	Type:
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Lightolier a Genlyte company www.lightolier.com
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LIGHTOLIER